Edgewood Area - Aberdeen Proving Ground, Maryland 21010-5424
U.S. Army Soldier and Biological Chemical Command

Critical Reagent Repository

The Edgewood Chemical Biological Center operates the **Critical Reagent Repository** at the Process Engineering Facility. Under the authority of the Army's Program Executive Office for Chemical and Biological Defense (PEO-CBD), the Critical Reagent Repository stores, validates, and distributes all immunological biodetection reagents for DOD. This facility includes a 1500-gallon liquid nitrogen tank for supplying uninterrupted coolant for archiving hybridomas and bacterial cultures, remote facility monitoring, backup generator, and secure access. The entire program space consists of the repository itself, a validation lab for quality control and quality assurance, a scale-up bioprocess lab for antibody production, and a biochemistry lab for purification and additional Quality Assurance/Quality Control. Our immunological reagents are ultimately fielded in systems such as Portal Shield, the Joint Biological Agent Identification and Diagnostic System, and the Joint Biological Point Detection System. Antibody production capabilities include small-scale cell reactors for the isolation of test quantities of new antibodies, large-scale fermentation for recombinant antibody production, and a lab for the production of gram-scale quantities of monoclonal antibodies (a current production project). The program works closely with laboratories across DOD, industry, academia, other government agencies, and the defense research establishments in allied countries to ensure that the best biodefense reagents, methods, and information are available to our customers. We continually strive to improve the standardization of methods, accessibility of vital information, and validation of processes and products.

Biotechnological excellence providing:

- ***customer satisfaction***
- ***mission flexibility***
- ***a critical national defense resource***

For additional information on the facility, please send E-mail to research.technology@sbccom.apgea.army.mil .

Rev. 1-16-02